Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/03/2018 11:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126232	0	2.73	126344	2.74
Blue	F	SSC	125000	123719	-2	1.61	124370	1.57
Blue	E	FITC	15760	15442	-3	2.92	334	23.77
Blue	D	PE	25880	25351	-3	1.98	549	17.53
Blue	B	PerCP-Cy5-5	34075	33924	-1	4.27	1037	24.04
Blue	A	PE-Cy7	22776	22893	0	7.52	551	46.38
Red	C	APC	42488	41156	-4	2.76	1546	13.36
Red	A	APC-Cy7	24478	23983	-3	3.01	823	13.30
Violet	B	V450	6304	6190	-2	4.16	345	18.63
Violet	A	V500	26005	25140	-4	3.67	586	13.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20896	12.37	613	16	N/A	N/A	Pass
Blue	F	SSC	56122	1.09	581	26	N/A	N/A	Pass
Blue	E	FITC	59	74.13	565	9	0.0132	123	Pass
Blue	D	PE	115	57.86	559	10	0.1080	240	Pass
Blue	B	PerCP-Cy5-5	194	58.01	662	15	0.0065	49	Pass
Blue	A	PE-Cy7	104	120.21	716	19	0.0088	36	Pass
Red	C	APC	362	28.29	601	1	0.0199	131	Pass
Red	A	APC-Cy7	202	29.65	573	2	0.0045	1181	Pass
Violet	B	V450	54	87.95	505	16	0.0249	2475	Pass
Violet	A	V500	86	48.89	521	15	0.0119	1137	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.21	-30.67	0.92
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.28	13.60 - 20.40	N/A	N/A	30.41	31.11	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11889

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments